

Attachment 2

Drawings

DTFAEN-11-R-00087

Replacement of cable on 2 Towers, Florence, South Carolina



RCAG - FLORENCE, SOUTH CAROLINA
REPLACE ANTENNA TOWER CABLES



FLORENCE		FLORENCE RGNL AIRPORT		SC	
DESIGNED BY		DRAWN BY		CHECKED BY	
PROJECT ENGINEER		PROJECT ENGINEER		PROJECT ENGINEER	
DATE		DATE		DATE	
01/27/2011		01/27/2011		01/27/2011	
NO. 100844		NO. 100844		NO. 100844	
ISSUED FOR CONSTRUCTION		ISSUED FOR CONSTRUCTION		ISSUED FOR CONSTRUCTION	
FLO-D-100844-0001		FLO-D-100844-0001		FLO-D-100844-0001	

DRAWING LIST

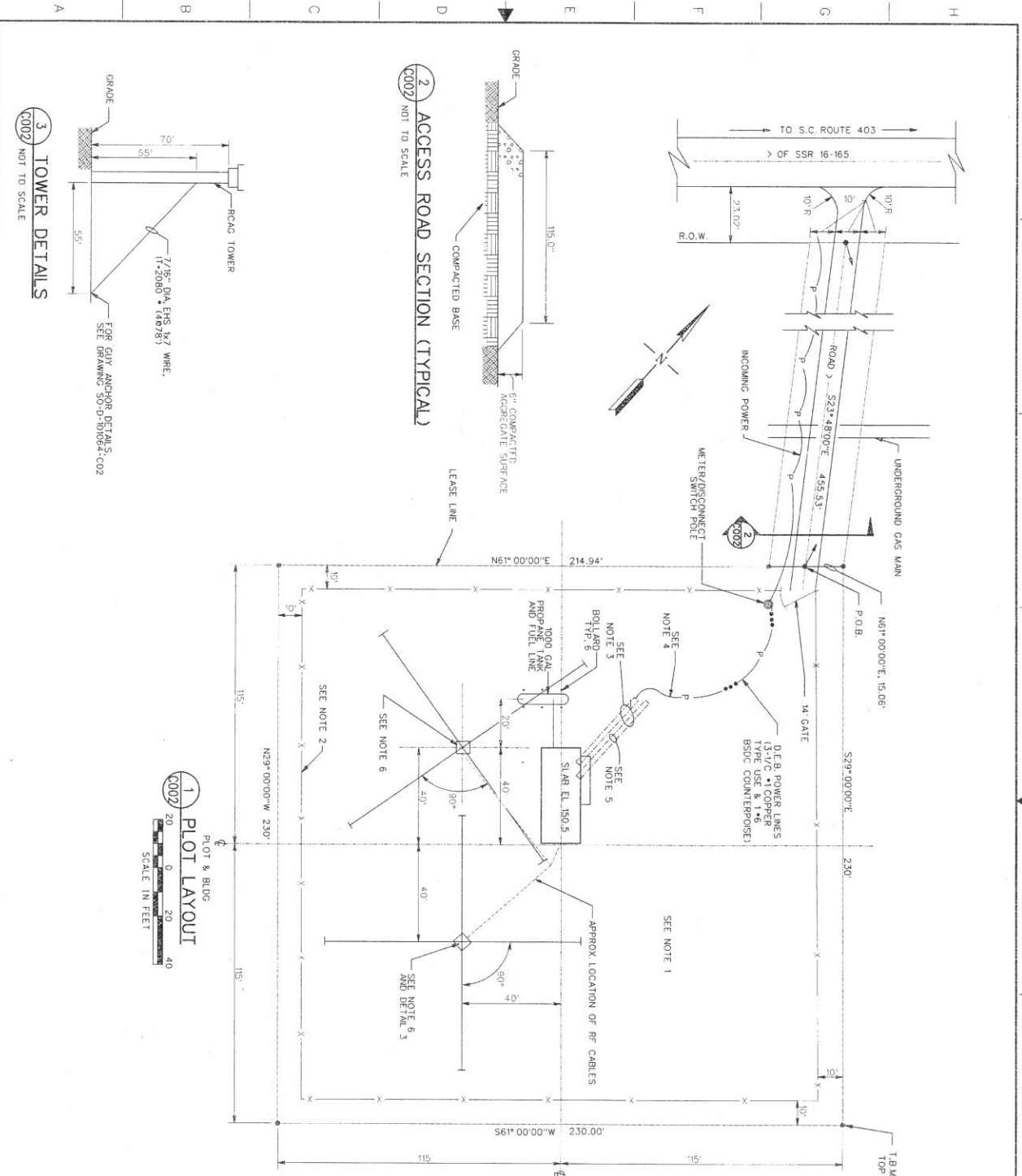
DWG. NO.	REV.	DATE	DESCRIPTION
FLO-D-1000844-G001		01/21/2011	RCAG - COVER SHEET
FLO-D-1000844-G002		01/21/2011	RCAG - INDEX SHEET
FLO-D-1000844-G001		01/21/2011	RCAG - PROPERTY TIE AND LEASE LIMITS
FLO-D-1000844-G002		01/21/2011	RCAG - EXISTING PLOT LAYOUT AND LOCATION MAP
FLO-D-1000844-G003		01/21/2011	RCAG - PLOT LAYOUT AND NEW CABLING
FLO-D-1000844-S001		01/21/2011	RCAG - TO FT GUYED TOWER SECTIONS AND DETAILS
FLO-D-1000844-E001		01/21/2011	RCAG - TOWER CABLES SECTIONS AND DETAILS
FLO-D-1000844-E002		01/21/2011	RCAG - ANTENNA TOWER LIGHTNING PROTECTION
FLO-D-1000844-E003		01/21/2011	RCAG - ANTENNA LAYOUT AND FLOOR PLAN

REFERENCE DRAWING

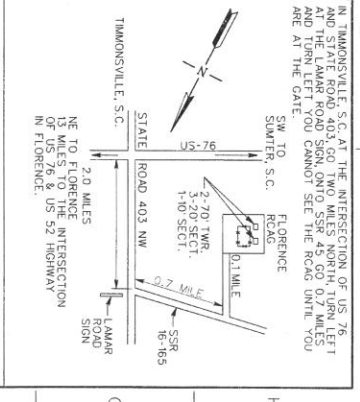
DWG. NO.	REV.	DATE	DESCRIPTION
SD-D-101064-G02		12/29/2005	GUY ANCHOR AND TOWER FOUNDATION DETAILS

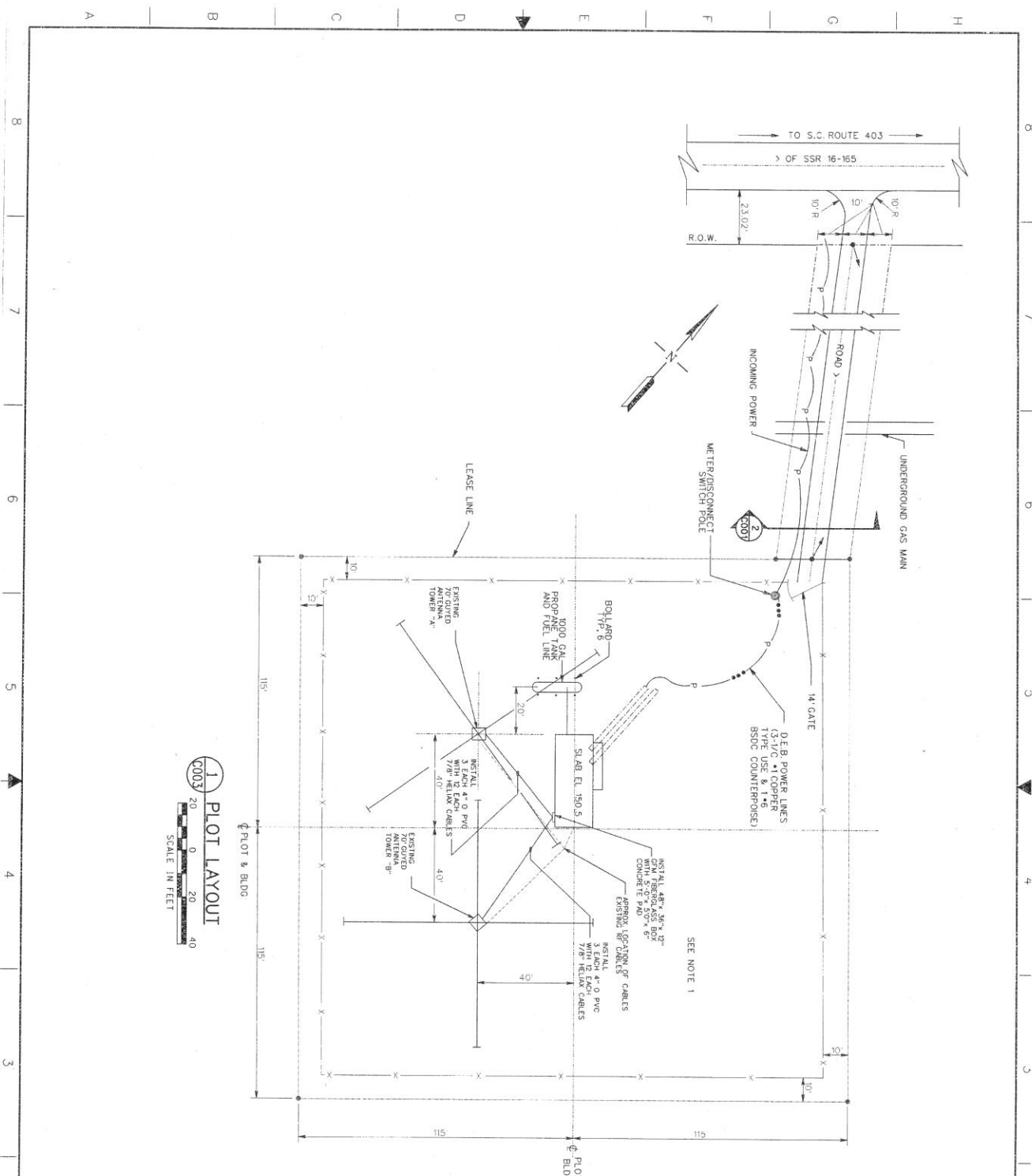
NO.	APPROVED DATE	DESCRIPTION	APP.	DATE	REV.
1		DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS RCAG INDEX SHEET			

DRAWN BY: *Michael Wright*
 PROJECT ENGINEER
 ISSUED BY: *Chung E. Chong*
 DATE: 01/27/2011
 PROJECT: FLO-D-1000844-G002
 SHEET: 1 OF 3
 SCALE: AS SHOWN
 PROJECT: FLO-D-1000844-G002

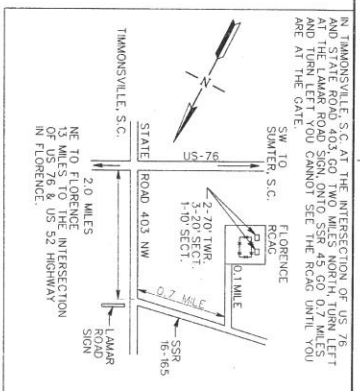


FLORENCE		FLORENCE ROL, AIRPORT		SC
DESIGNED BY	Michael B. Burt	APPROVED BY	Shawn F. Johnson	
PROJECT ENGINEER		DATE	07/27/2011	
DRAWING NUMBER	FL-0-1000844-0002	WORK ENGINEERING - ATLANTA		
ISSUED FOR CONSTRUCTION				





LOCATION MAP
NOT TO SCALE

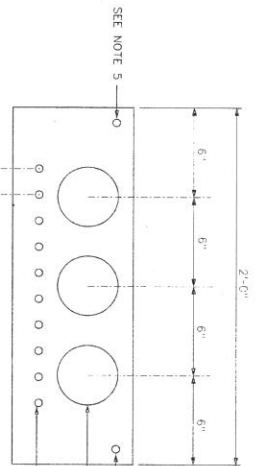


REV	DATE	DESCRIPTION	APP'D	DATE	BY

DESIGNED BY <i>Michael B. Brown</i>		CHECKED BY <i>Shawn F. Simpson</i>	
PROJECT ENGINEER		PROJECT ENGINEER	
DATE 07/27/2001		DATE 07/27/2001	
DRAWING NO. 1000844-0003		DRAWING NO. 1000844-0003	
CHECKED 1		CHECKED 1	

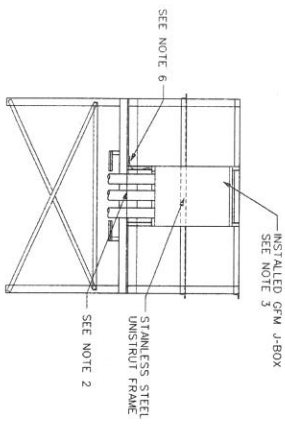
FLORENCE RGNL AIRPORT		FLORENCE RGNL AIRPORT	
ISSUED FOR CONSTRUCTION		ISSUED FOR CONSTRUCTION	

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO - TECHNICAL OPERATIONS
RCAG
PLOT LAYOUT AND NEW CABLING

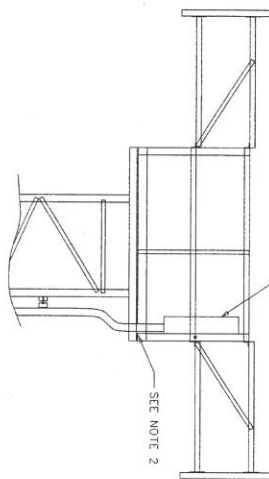


6 JUNCTION BOX HOLE LAYOUT
E001 SCALE: 3" = 1'-0"

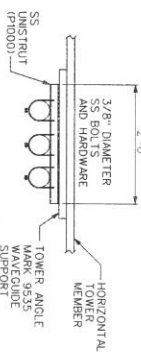
- NOTES**
1. THE 7/8" HELIAX CABLE MUST NOT BE BENT CLOSER THAN A 12" RADIUS.
 2. CUT SECTION OF EXPANDED METAL GRATING AS REQUIRED TO ROUTE CONDUITS TO JUNCTION BOX. ALL CUT EDGES MUST BE BOLD GALVANIZED. FRAME CUT OPENING WITH 2" x 2" x 1/4" ANGLE IRON, GALV.
 3. CONTRACTOR SHALL INSTALL A 36" x 30" x 10" JUNCTION BOX (GFM) ON TOP OF THE EXISTING TOWER. 2" DIA. SS TUBES SHALL BE USED TO ATTACH THE JUNCTION BOX TO THE TOWER. 2" DIA. SS TUBES SHALL BE USED TO ATTACH THE JUNCTION BOX TO THE TOWER. 2" DIA. SS TUBES SHALL BE USED TO ATTACH THE JUNCTION BOX TO THE TOWER.
 4. CONTRACTOR SHALL INSTALL 12 EACH 1/2" DIA. WATER TIGHT STRAIN RELIEF CONNECTOR (GFM) (TAG 2673) FOR CABLE INSTALLED BY OTHERS. IN THE BOTTOM OF THE JUNCTION BOX.
 5. CONTRACTOR SHALL INSTALL 2 EACH 1/2" DIA. STRAIN RELIEF CONNECTOR (GFM) FOR THE THOMPSON 32X FROM THE TOWER LOOP.
 6. ALL CUT EDGES, CORNERS DRILLED HOLES AND OTHER ABRASION AREAS BOLD GALVANIZED.
 7. CONTRACTOR MUST FURNISH AND INSTALL 1 5/8" x 1 5/8" STAINLESS STEEL UNISTRUT W/ 4 EACH CONDUIT. 1 5/8" x 1 5/8" STAINLESS STEEL UNISTRUT W/ 4 EACH CONDUIT. 1 5/8" x 1 5/8" STAINLESS STEEL UNISTRUT W/ 4 EACH CONDUIT. 1 5/8" x 1 5/8" STAINLESS STEEL UNISTRUT W/ 4 EACH CONDUIT.
 8. CONTRACTOR SHALL INSTALL 2" x 4" 4/0 GROUND WIRE THROUGH 1 1/4" Ø PVC INTO EACH OF THE BOTTOM JUNCTION BOXES FOR GROUNDING BY OTHERS. THREE FEET OF WIRE COILED IN EACH BOX FOR USE BY OTHERS.



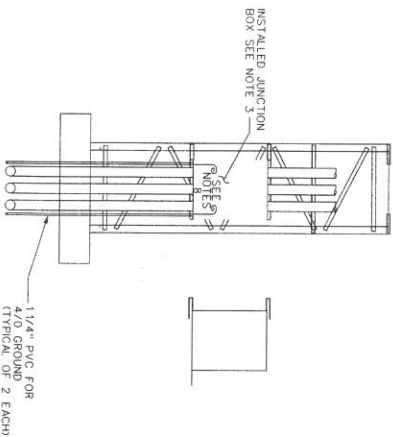
2 JUNCTION BOX ELEVATION
E001 NOT TO SCALE



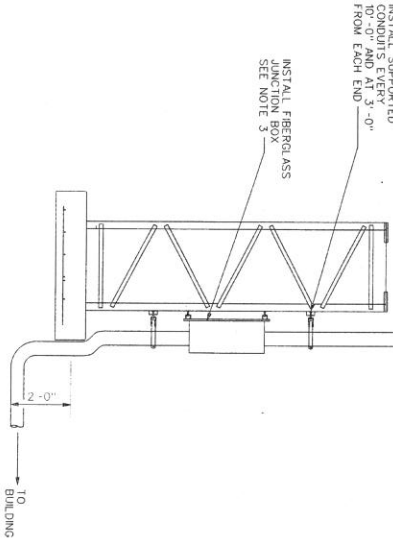
4 JUNCTION BOX SECTION
E001 NOT TO SCALE



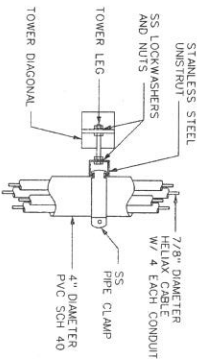
7 CONDUIT SUPPORT PLAN
E001 SCALE: 1" = 1'-0"



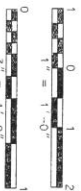
3 TOWER CONDUIT ELEVATION
E001 NOT TO SCALE



5 TOWER CONDUIT SECTION
E001 NOT TO SCALE



8 CONDUIT SUPPORT SECTION
E001 NOT TO SCALE



FLORENCE		FLORENCE RING AIRPORT	
DESIGNED BY	PROJECT ENGINEER	APPROVED BY	DATE
Michael Byrd	Michael Byrd	Shawn S. Simpson	01/27/2011
PROJECT NO.	DATE	PROJECT NO.	DATE
1000844	01/27/2011	1000844	01/27/2011
CHECKED	DATE	CHECKED	DATE
1000844	01/27/2011	1000844	01/27/2011
FLO-0-1000844-E001			

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
ATO - TECHNICAL OPERATIONS
RCAG
TOWER CABLES SECTIONS
AND DETAILS



- LEGEND

- ① GROUND ROD, COPPER CLAD 3/4" DIA X 10'
② 4/0 AWG BARE COPPER, 28 STRANDS, WT 660 LBS/1000 FT
③ CONDUIT, RIGID PLASTIC 1 1/4"
④ PARALLEL CLAMP, THOMPSON #4248 OR EQUAL

**WORK TO BE DONE UNDER THIS CONTRACT.
ALL OTHER ITEMS SHOWN ARE EXISTING**

[illegible]





- [illegible]